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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,075	07/05/2005	John J. Hench	VOY-022US	8730
37694	7590	05/29/2009	EXAMINER	
WOOD, HERRON & EVANS, LLP (TOKYO ELECTRON)			GAUTHIER, GERALD	
2700 CAREW TOWER				
441 VINE STREET			ART UNIT	PAPER NUMBER
441 VINE STREET			2614	
CINCINNATI, OH 45202				
			NOTIFICATION DATE	DELIVERY MODE
			05/29/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

dgoodman@whepatent.com
usptodock@whepatent.com

Office Action Summary	Application No.	Applicant(s)	
	10/517,075	HENCH, JOHN J.	
	Examiner	Art Unit	
	Gerald Gauthier	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06 December 2004.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-39 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-3,5-11 and 13-39 is/are rejected.
 7) Claim(s) 4 and 12 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 06 December 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____.
 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-3, 5-11 and 13-39** are rejected under 35 U.S.C. 102(e) as being anticipated by Vandermeijden (US 2004/0066920 A1).

Regarding **claim 1**, Sasaki discloses a method [column 1, lines 7-12] comprising: receiving an echo signal at a transceiver, wherein the transceiver includes an Analog Digital Converter (ADC) and Digital-to-Analog Converter (DAC) [the training pattern transmitted leaks into the receiving side as an echo through the hybrid circuit 220 (FIG. 2). This echo is converted into a digital signal by the A/D converter 80 and held in the buffer 100, column 6, lines 4-12]; and

reducing the echo signal with an echo rejecter at an input of the ADC, wherein the echo rejecter has an analog portion and a digital portion [the ADSL transceiver according to this embodiment comprises, between the receiving unit and the transmission unit, an echo signal suppression unit 650 configured with a receiving frame phase detector 610, a FFT boundary phase controller 620, an echo frame phase detector 630 and a transmission frame phase controller 640, column 5, lines 44-58].

Regarding **claims 2-3, 5-8, 10, 11, 13-16, 18-27 and 29-39**, Sasaki discloses a method, further comprising minimizing any loss of ADC resolution with a data signal associated with the echo signal column 5, lines 20-58].

Regarding **claim 9**, Sasaki discloses all the limitations of claim 9 as stated in claim 1's rejection above.

Regarding **claim 17**, Sasaki discloses all the limitations of claim 17 as stated in claim 1's rejection above.

Furthermore, Sasaki discloses a receiver [receiving unit on FIG. 11] and a transmitter [transmission unit on FIG. 11].

Regarding **claim 28**, Sasaki discloses all the limitations of claim 28 as stated in claim 1's rejection above.

Furthermore, Sasaki discloses a transceiver [FIG. 11].

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gerald Gauthier whose telephone number is (571) 272-7539. The examiner can normally be reached on 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gerald Gauthier/
Primary Examiner, Art Unit 2614

/GG/
May 27, 2009